

ABSTRACT

A belt type continuous plate manufacturing apparatus comprising two facing endless belts 1, 1' and gaskets 7 sandwiched by belt surfaces at their 5 both side edge portions, wherein a polymerizable raw material is fed into a space surrounded by the facing belt surfaces and the gaskets 7 from its one end, the polymerizable raw material is solidified together with running of the belts in a heating zone, and the plate polymer is taken out from the other end, characterized in that three or more upper and lower roll pairs 10 satisfying the following formulae (1) and (2) are placed so that respective axes thereof orthogonally cross the belt running direction, between a raw material feeding position and a heating initiation position; and a method of producing a plate polymer by using it: $D/Z \geq 0.04$ (1), $0.30 \leq D/X \leq 0.99$ (2) [D = outermost diameter of roll body portion (mm), Z = width of roll 15 body portion (mm), X = distance between axis centers of adjacent upper and lower roll pairs (mm)].